



SAN BERNARDINO MICROWAVE SOCIETY, Incorporated

FOUNDED IN 1968

A NONPROFIT AMATEUR TECHNICAL ORGANIZATION DEDICATED
TO THE ADVANCEMENT OF COMMUNICATIONS ABOVE 1800 MC.

W6IFE Newsletter

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At the 5 **February 2004** meeting of the SBMS, John Hoot will talk about "Astronomy and microwaves". The SBMS meets at the American Legion Hall 1024 Main Street (south of the 91 freeway) in Corona, CA at 1900 hours local time on the first Thursday of each month. Check out the SBMS web site at <http://www.ham-radio.com/sbms/>.

SBMS meeting parking- We have become a great number of members at meetings. We park next to the church in the adjacent lot or on the street and or in the lot across the street. Across the street the sign on the building shows: 1025 Main Street. MAIN STREET BISTRO. The sign on the parking lot says: CLIN CHIROPRACTIC CARE Dick, WB6DNX

Last Meeting. Mike, WA6SVT talked about amateur radio television over the microwaves. Thanks Mike. Kerry Banke, N6IZW talked about use of the laser in his communicator rig. Kerry Thanks for the update on your system. There was discussion of the 2 GHz and UP contest moving to May 1-2 of 2004. There was discussion on the annual SBMS dinner but on date or location was picked. 27 people in attendance.

Activity- This editor did not make the meeting because of sickness.

Scheduling:

4 March TBD

1 April TBD

1-2 May SBMS 2 GHz and Up contest.

12-14 June ARRL June VHF QSO Party

26-27 June ARRL Field Day

7-8 August ARRL UHF Contest

21-22 August ARRL 10 GHz and Up Contest

11-12 September ARRL September VHF QSO Party

18-19 September ARRL 10 GHz and Up Contest

"Wants and Gots for sale"

Want 10 GHz TWT Steve AD6HT 909-674-4699

Want Used 3CX100 tubes Howard WA6YGB 626-798-0451

Want- Solid State 10-15 watt 10 GHz amp W6YLZ 818-349-8525

email:

Hi Gang; The SBMS 2304.3 Beacon/Translator is now back on the air! After three months of being off the air, due to fires and snow, WB6DNX and I made it to Heaps peak on December 17th. I reinstalled the Beacon power supply and turned the Beacon on at 1330 hours. My transverter indicated that all was well and Larry, K6HLH, in Lake Los Angeles, had his rig running and reported that the signal was back to normal and then proceeded to check out the Translator. I was able to copy his 1296.1/2304.7MHz SSB signal OK. Since the Beacon has been turned off for three months, the start up frequency was off, but after an hour of operation it appeared to be very close to 2304.3. I will make more precise frequency checks this weekend and report the results. Please put your 2304 rigs on the air and get me some reports of your results.73, Chuck WA6EXV

Hi All, What a New Years present!! Dec 31, 2003 at 2000 hrs I had a contact with Bill, K0RZ. The contact was CW and was from his home in Louisville (DM79JX) to my QTH north of Wellington (DN71LT). Both rigs used 12in. dishes with Cassegrain feeds. Bills xmtr generates 15mw using DB6NT equipment and my system generates 2mw using a Tripler from 16ghz. Bill used a DB6NT down converter and I used a home built (By Don, N0UGY) down converter. The NF at Bills rig is 8.5 db and my NF is estimated at about 15db. Signals were S8-9 at my end and were quite steady. Bills signals were about the same. The contact was made at 2000 hrs, but the signal continued strong up to 2400hrs. (I gave up in early 2004).

Attached is a picture of my receiver. 73's Phil W6HCC



BTW - The Vicor web site has a lot of good lit on power supply technology. Go to www.vicr.com, and go to their "Library." In particular, the publication called "First Generation Converters and Accessory Modules" (8th Edition) is a good one to have - a lot of modules in the surplus market are of this variety.

-Wayne KH6WZ

Greetings. Here's some info on a Western Regional Conference of Amateur Radio Astronomers that I thought you might be interested in. The Society of Amateur Radio Astronomers (SARA) is "The ARRL" of amateur radio astronomy. (Many (>50%?) SARA members are hams). Please pass the word on to

technically minded hams who might like to attend. The conference is being held at the Owens Valley Radio Observatory, Feb 28 & 29, 2004. More info at: [Http://www.qsl.net/SARAmeeings/owens04.htm](http://www.qsl.net/SARAmeeings/owens04.htm)

73, Art W6XD Director ARRL Southwestern Division

Hello Microwavers, We have added some articles in a new section about 47 GHz equipment to the SBMS Web Pages. They include harmonic mixer designs and tests by Kerry Banke, N6IZW and by a group in

Colorado including Don Nelson, N0UGY, Bill McCaa K0RZ, and Phil Lee, W6HCC.

The URL to find this is: <http://www.ham-radio.com/sbms.sd/projindex.htm>.

73s from Ed Munn, W6OYJ 858-453-4563

If you don't already know, several SBMS and SDMG folks are mentioned in CQ and CQ-VHF. Gordon West, WB6NOA wrote up a nice story called "Join the Gang on 10,000 MHz" in the Fall 2003 issue of CQ-VHF, on page 6. My article in the Beginner's Corner is called "A Successful Failure" in the December CQ, page 78. A follow-up will appear in the January 2004 issue. 73, Wayne KH6WZ

Dear Friends, A new Beta Release of WSJT is available for free download at the WSJT home page, <http://pular.Princeton.edu/~joe/K1JT>. Its principal attraction is a new mode called JT65 that includes powerful FEC (forward error correction) and will be able to work with significantly weaker signals than JT44. A brief list of the features and technical specifications of JT65 is available at

<http://pular.Princeton.edu/~joe/K1JT/WSJT4.TXT> and a "Quick Start Guide for JT65" may be found at

<http://pular.Princeton.edu/~joe/K1JT/UPD411.TXT>. If you try the new JT65 mode, please send me your comments -- good or bad. -- 73, Joe, K1JT

73's Bill



Chuck, WB6IGP's 47 GHz rig shown at a back SBMS meeting.

The San Bernardino Microwave Society is a technical amateur radio club affiliated with the ARRL having a membership of over 90 amateurs from Hawaii and Alaska to the east coast and beyond. Dues are \$15 per year, which includes a badge and monthly newsletter. Your mail label indicates your call followed by when your dues are due. Dues can be sent to the treasurer as listed under the banner on the front page. If you have material you would like in the newsletter please send it to Bill WA6QYR at 247 Rebel Road Ridgecrest, CA 93555, bburns@ridgecrest.ca.us, or phone 760-375-8566. The newsletter is generated about the 15th of the month and put into the mail at least the week prior to the meeting. This is your newsletter. SBMS Newsletter material can be copied as long as SBMS is identified as source.

San Bernardino Microwave Society newsletter

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